PTO/SB/08b (03-09)
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Sut	ostitute for form 1449/PTO)		Complete if Known		
				Application Number	10/830,042	
1	NFORMATIO	N DISC	CLOSURE	Filing Date	April 23, 2004	
S	TATEMENT	BY AP	PLICANT	First Named Inventor	JOHN M. HOLT	
				Art Unit	2192	
	(Use as many sheets as necessary)			Examiner Name	James Rutten	
Sheet	1	of	6	Attorney Docket Number	61130-8110.US01	

			U.S. PATEN	T DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	5,214,776	05-25-1993	Bagnoli et al.	
	2.	5,418,966	05-01-1995	Madduri, Hari H.	
	3.	5,434,994	07-18-1995	Shaheen et al.	
	4.	5,488,723	01-30-1996	Baradel et al.	
	5.	5,544,345	08-01-1996	Carpenter et al.	
	6.	5,568,609	10-01-1996	Sugiyama et al.	
	7.	5,612,865	03-01-1997	Dasgupta, Ranjan	
	8.	5,802,585	09-01-1998	Scales et al.	
	9.	5,918,248	06-29-1999	Newell et al.	
	10.	6,049,809	04-11-2000	Raman et al.	
	11.	6,148,377	11-01-2000	Carter et al.	
	12.	6,163,801	12-19-2000	O'Donnell et al.	
	13.	6,192,514	02-20-2001	Lurndal	
	14.	6,314,558	11-01-2001	Angel et al.	
	15.	6,324,587	11-27-2001	Trenbeath et al.	
	16.	6,327,630	12-04-2001	Carroll et al.	
	17.	6,370,625	04-09-2002	Carmean et al.	
	18.	6,389,423	05-14-2002	Sakakura	
	19.	6,425,016	07-23-2002	Banavar et al.	
	20.	6,571,278	05/27/2003	Negishi et al.	
	21.	6,574,628	06-03-2003	Kahn et al.	
	22.	6,574,674	06-03-2003	May et al.	
	23.	6,611,955	08-01-2003	Logean et al.	
	24.	6,625,751	09-23-2003	Starovic et al.	
	25.	6,668,260	12-23-2003	Zoltan	
	26.	6,757,896	06-29-2004	Cohen et al.	
	27.	6,760,903	07-01-2004	Morshed et al.	
	28.	6,775,831	08-10-2004	Carrasco et al.	
	29.	6,782,492	08-01-2004	Nakaso, Hiroko	

Examiner	Date
Signature	Considered

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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2	Substitute for form 1449/PTO					Complete if Known
Subs	sulute for i	UIII 1443/F10			Application Number	10/830,042
l in	IFOR	MATION	N DIS	CLOSURE	Filing Date	April 23, 2004
				PPLICANT	First Named Inventor JOHN M. HOLT	
٦	1711	_141 [1 4 1 1		11 210/111	Art Unit	2192
	(U	se as many sh	eets as i	ecessary)	Examiner Name	James Rutten
Sheet				6	Attorney Docket Number	61130-8110.US01
		6 000 511	_	111 01 2004	McKenney et al.	
	30.	6,823,511		11-01-2004		
	31.	6,862,608	_	03-01-2005	Buhlman et al.	
	32.	6,954,794		10-01-2005	Rudd et al	
	33.	6,968,372		11-22-2005	Thompson et al.	
<u> </u>	34.	7,010,576		03-07-2006	Bae	
	35.	7,020,736		03-28-2006	Cherukuri	
	36.	7,031,989		04-18-2006	Elmendorf et al.	
	37.	7,047,341		05-16-2006	Jung	
	38.	7,047,521		05-01-2006	Bunnell	
	39.	7,082,604		07-25-2006	Schneiderman	
	40.	2002/0199		12-01-2002	Bunnel	
	41.	2003/0004		01-01-2003	Williams, Mark Jos	eph
	42.	2003/0067	7912	04-01-2003	MEAD et al.	
	43.	2004/0073	3828	04-15-2004	Bronstein, Vladimir	
	44.	2004/0093	3588	05-01-2004	Gschwind et al.	
	45.	2004/0158	8819	08-01-2004	Cuomo et al.	
	46.	2004/0163	3077	08-01-2004	Dimpsey et al.	
	47.	2005/0039	9171	02-01-2005	Avakian et al.	
	48.	2005/0086	6384	04-01-2005	Ernst, Johannes	
	49.	2005/0108	3481	05-01-2005	Iyengar et al.	
	50.	2005/0240	737	10-01-2005	Holt, John Mathew	
	51.	2005/0257	7219	11-17-2005	Holt, John Mathew	
\	52.	2005/2623	313	11-24-2005	Holt, John Mathew	
	53.	2005/2625	513	11-24-2005	Holt, John Mathew	
	54.	2006/016	7878	07-01-2006	Hartman, Philip Th	omas
	55.	2006/0209	_	01-26-2006	Holt, John Mathew	
	56.	2006/0242	_	10-26-2006	Holt, John Mathew	
	57.	2006/0253		11-09-2006	Holt, John Mathew	
	58.	2006/026		11-23-2006	Holt, John Mathew	
	59.	2006/026:		11-23-2006	Holt, John Mathew	
	60.	2006/026:	_	11-23-2006	Holt, John Mathew	
—	61.	2006/095		05-04-2006	Holt, John Mathew	
	62.	2008/007	_	03-01-2008	Monnie et al.	
Examir Signat	ner					ate onsidered

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63.

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Subst	Substitute for form 1449/PTO			Complete if Known		
30050	itate for farm 1445h			Application Number	10/830,042	
IN	FORMATION	ON DISC	LOSURE	Filing Date	April 23, 2004	
SI	ATEMEN	T BY AP	PLICANT	First Named Inventor	JOHN M. HOLT	
•	7 () =			Art Unit	2192	
	(Use as man	y sheets as nec	essary)	Examiner Name	James Rutten	
Sheet	3	of	6	Attorney Docket Number	61130-8110.US01	

08-01-2008

		FORE	GN PATENT DO	CUMENTS		
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages	76
Initials*	No.1	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Or Relevant Figures Appear	
	64.	EP0969377	01-05-2000	International Business		
	04.	EF 0909377	01-03-2000	Machines Corporation		<u> </u>
	65.	WO1995/08809	03-30-1995	Oracle		
	-	WO1009/059220	12-23-1998	Telfonaktiebolaget LM		
	66.	WO1998/058330	12-23-1990	Ericsson		
	67.	WO2002/044835	06-06-2002	Gregory L. Gingerich		
	68.	WO03/083614	10-09-2003	Eternal Systems, Inc.		L
	69.	WO03084116	10-09-2003	Eternal Systems, Inc.		
	70.	WO05/103924	11-03-2005	Waratek PTY Ltd.		_
	71.	WO05/103925	11-03-2005	Waratek PTY Ltd.		
	72.	WO05/103926	11-03-2005	Waratek PTY Ltd.		
	73.	WO05/103927	11-03-2005	Waratek PTY Ltd.		
	74.	WO05/103928	11-03-2005	Waratek PTY Ltd.		
	75.	WO06/110937	10-26-2006	Waratek PTY Ltd.		
	76.	WO06/110957	10-26-2006	Waratek PTY Ltd.		

Examiner	 Date	
Signature	 Considered	

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Sub	estitute for form 1449/PTC)		Complete if Known		
				Application Number	10/830,042	
l IN	IFORMATIO	N DISC	LOSURE	Filing Date	April 23, 2004	
l s	TATEMENT	BY API	PLICANT	First Named Inventor	JOHN M. HOLT	
				Art Unit	2192	
	(Use as many sheets as necessary)			Examiner Name	James Rutten	
Sheet	4	of	6	Attorney Docket Number	61130-8110.US01	

		NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²				
	77.	ABDULLAHI, et al., "Garbage Collection for Internet: A Survey of Distributed Garbage Collection", ACM Computing Surveys [Online], Vol. 30, No. 3, September 1998, pp. 330-373, XP002504741 ISSN:0360-0300 Retrieved from the Internet	•				
		URL:http://portal.acm.org/citation.cfm?doid=292469.292471>.					
	ARIDOR, et al. "cJVM: a single System Image of a JVM on a Cluster" Proceedings of the International Conference on Parallel Processing, pp. 21-24, Sept. 21-24, 1999.						
	79.	BAL, et al., "A Distributed Implementation of the Shared Data-Object Model", Proc. USENIX Workshop on Experiences with Distributed and Multiprocessor Systems pp. 1-19, Oct. 1998, Fort Lauderdale, FL.					
	80.	BAL, et al., "Experience with Distributed Programming in Orca", <i>IEEE CS International Conference on Computer Languages</i> , pp.1-23, March 1990, New Orleans, Louisiana.					
	81.	BAL, et al., "Object Distribution in ORCA Using Compile-Time and Run-Time Techniques", Proc. Conference on Object-Oriented Programming Systems, Languages and Applications pp. 162-177, September 26, 1993 - October 1, 1993.					
	82.	BAL, et al., "Orca: A Language for Paralell Programming of Distributed Systems", <i>IEEE Transactions on Software Engineering</i> , 18(3): pp 1-33, October 1989.					
	83.	BAL, et al., "Replication Techniques for Speeding Up Parallel Applications On Distributed Systems", Concurrency Practice & Experience, 4(5):337-355 (1992).					
,	84.	BELLEW, et al., "Update propagation in distributed memory hierarchy." Data Engr. 1990. Proc. 6th Int'l Conf., pp. 521-528, February 1990.					
	85.	BENNETT, et al. "Munin: Distributed Shared Memory Based on Type Specific Memory Coherence." Dept. Elec & Computer Engr. pp. 1-9 ACM, PPOPP' 90, February 1990.					
	86.	BRESSOUD, T.C. TFT: "A Software System for Application-Transparent Fault Tolerance. Proc.", 28 th Annual International Symposium on Fault-Tolerant Computing, pp. 128-137, June 1998, Munich, Germany.					
CHEN, et al., "Multi-Jav: a distributed shared memory system based on multiple Java machines." Proc. Of Conf. on Parallel & Distrib. Proc. Techn. & Appls., Las Vegas, N 06/1998.							
	88.	DASILVA, et al. "An evaluation of cJava system architecture." IEEE Prc. 15th Symposium					
Examiner Signature		Date Considered					

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Sub	ostitute for form 1449/PTO			Complete if Known		
	Journal of the Control of the Contro			Application Number	10/830,042	
l in	NFORMATION	N DIS	CLOSURE	Filing Date	April 23, 2004	
S	TATEMENT	BY A	PPLICANT	First Named Inventor	JOHN M. HOLT	
				Art Unit	2192	
	(Use as many sheets as necessary)			Examiner Name	James Rutten	
Sheet	5	of	6	Attorney Docket Number	61130-8110.US01	

	on Computer Architecture & High Performance Computing, pp. 1-9, November 10-12, 2003,	
	San Paulo, Brazil.	
89.	DMITRIEV, "Profiling Java applications using code hotswapping and dynamic call graph revelation.", January 14-16, 2004, ACM WOSP '04, pp. 139-150	
90.	DWARKADAS, et al., "Evaluation of Release Consistent Software Distributed Shared Memory on Emerging Network Technology", Proc of the 20th Annual International Symposium on Computer Architecture (ISCA'93), pp. 144-155, May 16-19, 1993, San Diego, CA.	
91.	GOETHE, et al. "The Distributed Ada Run-Time System DARTS." Software Prac. & Experience, Vol. 21, No. 1, pp. 1249-1263, 4 August 1989.	
92.	HAUMACHER, et al. "Transparent distributed threads for Java," Parallel & Distributed Proc. Symposium 2003. Proc. Int'l. pp. 22-26, April 2003.	
93.	PUATU, "Distributed Garbage Collection of Active Objects with No Global Synchronisation" - Lecture Notes in Computer Science, Memory Management [online], XP008098868 ISSN: 0302-9743 ISBN: 978-3-540-55940-5- Retreived from the internet URL:http://www.springerlink.com/content/5v 028411810p6m700/>, Vol. 637, pp. 148-1694 September 17-19, 1992, IWMM 92, St. Malo, France.	
94.	LARUS, et al. "EEL: machine-independent executable editing. 1995 ACM SIGGPLAN '95." pp. 291-300 June 21-22, 1995.	
95.	LITTLE, et al., "Maintaining Information About Persistent Replicated Objects in a Distributed System", Processing of the International Conference on Distributed Computing Systems. Pittsburgh, May 25-28 1993 [Proceedings of the International Conference on Distributed Computing Systems], Los Alamitos, IEEE Comp Soc Press US, Vol. CONF. 13, 25 May 1993, Pages 491-498, WP010095684 ISBN:978-0-8186-3770-4	
96.	RADOVIC, et al., "Removing the overhead from software-based shared memory." Prc. 2001 ACM/IEEE Conf. Supercomputing (CDrom), Denver CO, Nov. 10-16-2001, Supercomuting '01. ACM Press. NY.	
97.	RUSS, et al. "The hector distributed run-time environment", IEEEE Transactions on Parallel and Distributed Systems, Vol. 9, No. 111998, 22 May 1998.	

Examiner	 Date
Signature	 Considered

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Substitute for form 1449/PTO				Complete if Known		
"	Substitute (S. 1911) 1.1.5.			Application Number	10/830,042	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	April 23, 2004	
				First Named Inventor	JOHN M. HOLT	
				Art Unit	2192	
	(Use as many sheets as necessary)			Examiner Name	James Rutten	
Sheet	6	of	6	Attorney Docket Number	61130-8110.US01	

98.	SANCHEZ, et al. "Distributed Garbage Collection for Wide Area Replicated Memory", Proceedings of the 6th Conference on Usenix Conference on Object-Orientated Technologies and Systems [On Line], Vol. 6, 29 June 2001, pp. 1-14, P1-14XP002502672 Retrieved from the Internet URL:http://portal.acm.org/citation.cfm?id=1268246 http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.10.5675 http://www.gsd.inesc-id.pt/{veiga/papers/dgcwarm-coots-2001.pdf>.		
99.	SHAPIRO, et al., "A Distributed Shared Memory and its Garbage Collector", Lecture notes in Computer Science, Vol. 972, Proceedings of the 9th International Workshop on Distributed Algorithms, pp. 198-214, September 13-15, 1995.		
100			

Examiner Signature /James Rutten/ Date Considered 08/16/2009	Signature	signature /James Hut			08/16/2009
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